

Supplementary Table S1 Baseline characteristics of participants from two trajectories of QIDS-SR16, n (%) or median (quartile)

Variable	Rapid symptom reduction	Delayed symptom reduction	Z/ χ^2	p
Age	32.00 (25.00-44.00)	29.00 (23.00-42.00)	-3.322	0.0009
Sex			0.8487	0.3569
Male	297 (31.70)	147 (29.34)		
Female	640 (68.30)	354 (70.66)		
Family history			1.7300	0.1884
No	813 (86.77)	422 (84.23)		
Yes	124 (13.23)	79 (15.77)		
First episode			0.0417	0.8382
No	377 (40.41)	204 (40.96)		
Yes	556 (59.59)	294 (59.04)		
Educational status			0.0955	0.7573
Any higher	577 (61.71)	305 (60.88)		
Primary/secondary	358 (38.29)	196 (39.12)		
Location			0.0168	0.8967
Urban	755 (80.92)	404 (80.64)		
Rural	178 (19.08)	97 (19.36)		
Marital status			14.336	0.0002
Married	533 (57.07)	233 (46.60)		
Single or divorced	401 (42.93)	267 (53.40)		
Work status			7.2960	0.0260
Employed	505 (54.13)	264 (52.80)		
Student	158 (16.93)	112 (22.40)		
Unemployed	270 (28.94)	124 (24.80)		
Insurance			7.1792	0.0664
Urban basic medical insurance	573 (61.35)	284 (56.69)		
Publicly funded medical care	38 (4.07)	35 (6.99)		
New rural cooperative medical care	119 (12.74)	63 (12.57)		
Out-of-pocket	204 (21.84)	119 (23.75)		

Variable	Rapid symptom reduction	Delayed symptom reduction	Z/ χ^2	p
Drug for treatment			2.9776	0.0844
Duloxetine	265 (28.56)	121 (24.30)		
Escitalopram	663 (71.44)	377 (75.70)		
QIDS-SR16 total score at baseline	15.00 (12.00-17.00)	18.00 (16.00-20.00)	14.927	<0.0001
Time from episode onset to treatment (months)	2.00 (1.00-6.00)	3.00 (1.00-9.00)	1.4761	0.1399

QIDS-SR16 = 16-item Quick Inventory of Depressive Symptomatology-Self-Report.

Supplementary Table S2 Logistic regression of predictors for trajectories of QIDS-SR16

Parameters	Estimate	Standard error	Wald χ^2	p	OR 95%CI
Intercept	-5.2627	0.6087	74.7602	<0.0001	
Drug for treatment (escitalopram vs. duloxetine)*	0.4473	0.2239	3.9920	0.0457	1.564, 1.009-2.426
Family history	-0.1432	0.2385	0.3607	0.5481	0.867, 0.543-1.383
Age	-0.00660	0.00887	0.5547	0.4564	0.993, 0.976-1.011
First episode	0.2357	0.1842	1.6375	0.2007	1.266, 0.882-1.816
Educational status	-0.1058	0.2068	0.2618	0.6089	0.900, 0.600-1.349
Sex (female vs. male)	0.1138	0.1875	0.3682	0.5440	1.120, 0.776-1.618
QIDS-SR16 total score at baseline*	0.2711	0.0273	98.5888	<0.0001	1.311, 1.243-1.384
Time from episode onset to treatment*	0.0127	0.00586	4.6605	0.0309	1.013, 1.001-1.024

OR = odds ratio; QIDS-SR16 = 16-item Quick Inventory of Depressive Symptomatology - Self-Report.

* Indicates $p < 0.05$, considered statistically significant.